

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions and listings of claims in this application.

LISTING OF CLAIMS:

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Currently Amended) ~~The heat-protection wall as claimed in claim 3, A~~
heat-protection wall for an exhaust-gas turbine, the exhaust-gas turbine having a
turbine casing, a shaft rotatably mounted in a bearing housing, and a turbine wheel
arranged on the shaft, and the heat-protection wall defining with the turbine casing
an inflow passage leading to the turbine wheel, wherein the heat-protection wall has
at least two seatings for centering the turbine casing relative to the shaft, a first
seating of the at least two seatings being provided for resting on the bearing
housing, and a second seating of the at least two seatings being provided for resting
on the turbine casing; wherein at least one of the first or second seatings is designed
as an encircling edge which is provided for resting on the bearing housing and/or the
turbine casing;

wherein the first and second seatings are designed to be directed radially
outwards in the same direction.

5. (Canceled)

6. (Currently Amended) ~~The heat-protection wall as claimed in claim 2,~~ A heat-protection wall for an exhaust-gas turbine, the exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in a bearing housing, and a turbine wheel arranged on the shaft, and the heat-protection wall defining with the turbine casing an inflow passage leading to the turbine wheel, wherein the heat-protection wall has at least two seatings for centering the turbine casing relative to the shaft, a first seating of the at least two seatings being provided for resting on the bearing housing, and a second seating of the at least two seatings being provided for resting on the turbine casing; and

wherein slots are set into the heat-protection wall either in the region of the first seating or in the region of the second seating, which slots are provided for receiving centering lugs attached either to the bearing housing or to the turbine casing.

7. (Canceled)

8. (Currently Amended) ~~The bearing housing as claimed in claim 7,~~ A bearing housing for an exhaust-gas turbine, the exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in the bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall which, in the exhaust-gas turbine, defines with the turbine casing an inflow passage leading to the turbine wheel, the heat-

protection wall having means for centering the turbine casing relative to the shaft mounted in the bearing housing;

wherein the bearing housing, ~~as means~~ for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, comprises at least one seating for resting on the heat-protection wall, said seating being directed radially inwards.

9. (Previously Presented) The bearing housing as claimed in claim 8, wherein the seating of the bearing housing is designed as an encircling edge.

10. (Currently Amended) ~~The bearing housing as claimed in claim 7, A~~
bearing housing for an exhaust-gas turbine, the exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in the bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall which, in the exhaust-gas turbine, defines with the turbine casing an inflow passage leading to the turbine wheel, the heat-protection wall having means for centering the turbine casing relative to the shaft mounted in the bearing housing;

wherein the bearing housing, ~~as means~~ for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, has centering lugs which are provided for engaging in slots which are set into the heat-protection wall.

11. (Currently Amended) ~~The bearing housing as claimed in claim 7, A~~
bearing housing for an exhaust-gas turbine, the exhaust-gas turbine having a turbine
casing, a shaft rotatably mounted in the bearing housing, a turbine wheel arranged
on the shaft, and a heat-protection wall which, in the exhaust-gas turbine, defines
with the turbine casing an inflow passage leading to the turbine wheel, the heat-
protection wall having means for centering the turbine casing relative to the shaft
mounted in the bearing housing;

wherein slots are set into the bearing housing as means for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, said ~~which~~ slots extending radially and are provided for receiving centering lugs attached to the heat-protection wall.

12. (Canceled)

13. (Canceled)

14. (Currently Amended) ~~The turbine casing as claimed in claim 12, A~~
turbine casing for an exhaust-gas turbine, the exhaust-gas turbine having a bearing
housing, a shaft rotatably mounted in the bearing housing, a turbine wheel arranged
on the shaft, and a heat-protection wall which, in the exhaust-gas turbine, defines
with the turbine casing an inflow passage leading to the turbine wheel, the heat-
protection wall having means for centering the turbine casing relative to the shaft
mounted in the bearing housing,

wherein the turbine casing, ~~as means~~ for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, has centering lugs which are provided for engaging in slots which are set into the heat-protection wall.

15. (Currently Amended) ~~The turbine casing as claimed in claim 12, A~~
turbine casing for an exhaust-gas turbine, the exhaust-gas turbine having a bearing housing, a shaft rotatably mounted in the bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall which, in the exhaust-gas turbine, defines with the turbine casing an inflow passage leading to the turbine wheel, the heat-protection wall having means for centering the turbine casing relative to the shaft mounted in the bearing housing;

wherein slots are set into the turbine casing ~~as means~~ for centering the turbine casing via the heat-protection wall and relative to the shaft mounted in the bearing housing, ~~said which~~ slots extending radially and being are provided for receiving centering lugs attached to the heat-protection wall.

16. (Canceled)

17. (Currently Amended) ~~The exhaust-gas turbine as claimed in claim 16, An~~
exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in a bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall, said heat-protection wall defining with the turbine casing an inflow passage leading to the

turbine wheel and having means for centering the turbine casing relative to the shaft mounted in the bearing housing;

wherein the heat-protection wall contains a material which has a higher coefficient of thermal expansion than the material of the turbine casing.

18. (Currently Amended) An exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in a bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall as claimed in claim 4, ~~the heat-protection wall defining with the turbine casing an inflow passage leading to the turbine wheel,~~ wherein an encircling edge for resting on ~~the~~ an encircling edge of the heat-protection wall is provided on the bearing housing and/or on the turbine casing.

19. (Currently Amended) An exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in a bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall wherein the heat-protection wall has at least two seatings for centering the turbine casing relative to the shaft, a first seating of the at least two seatings being provided for resting on the bearing housing, and a second seating of the at least two seatings being provided for resting on the turbine casing, wherein the heat-protection wall has centering lugs either in the region of the first seating or in the region of the second seating, which centering lugs are provided for engaging radially extending slots which are set into either the bearing housing or the turbine casing ~~as claimed in claim 5, the heat-protection wall defining with the turbine casing an inflow passage leading to the turbine wheel, wherein slots which are provided for~~

~~receiving the centering lugs attached to the heat protection wall are set into either the bearing housing or the turbine casing.~~

20. (Currently Amended) An exhaust-gas turbine having a turbine casing, a shaft rotatably mounted in a bearing housing, a turbine wheel arranged on the shaft, and a heat-protection wall as claimed in claim 6, ~~the heat-protection wall defining with the turbine casing an inflow passage leading to the turbine wheel, wherein the~~ centering lugs which are provided for engaging in the slots which are set into the heat-protection wall are arranged either on the bearing housing or on the turbine casing.